

539,962

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056863 A2

- (51) International Patent Classification⁷: **C07K 14/61** Mariastella [CH/CH]; Rue des Sablons 6, CH-1205 Geneve (CH).
- (21) International Application Number: PCT/GB2003/005594 (74) Agents: **GOODFELLOW, Hugh, Robin et al.**; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).
- (22) International Filing Date: 19 December 2003 (19.12.2003) (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (26) Publication Language: English
- (30) Priority Data: 0229850.3 20 December 2002 (20.12.2002) GB
- (71) Applicant (*for all designated States except US*): **ARES TRADING S.A.** [CH/CH]; Chateau de Vaumarcus, CH-2028 Vaumarcus, Switzerland (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **FAGAN, Richard, Joseph** [US/GB]; Inpharmatica, 60 Charlotte Street, London W1T 2NU (GB). **PHELPS, Christopher, Benjamin** [GB/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). **RODRIGUES, Tania, Maria** [GB/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). **POWER, Christine** [GB/FR]; 10, rue des Jonquilles, F-01710 Thoiry (FR). **DE TIANI,**

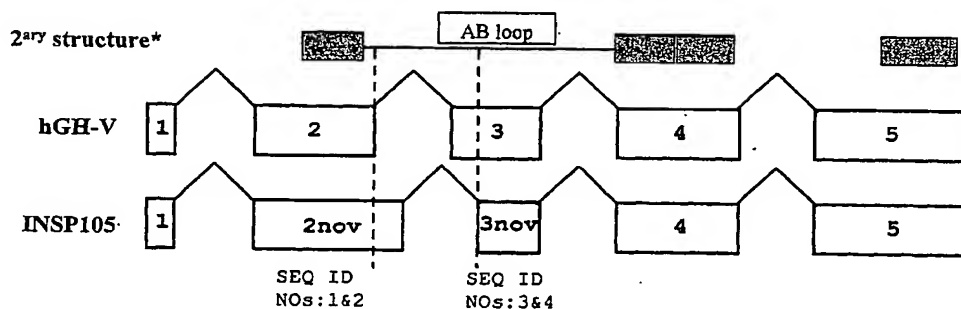
Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SPLICE VARIANT**

Gene Structure



*Secondary structure is based on hGH-N structure

(57) Abstract: This invention relates to a novel protein, termed INSP105, herein identified as a novel splice variant of human placental growth hormone and to the use of this protein and nucleic acid sequences from the encoding genes in the diagnosis, prevention and treatment of disease.

WO 2004/056863 A2